

U.S. Patent Application No. 10/743,885
Response to Office Action of March 27, 2007
Page 2 of 17

Amendments to the Specification:

Please replace paragraph [0018] with the following amended paragraph:

[0018] According to certain aspects and embodiments of the invention, there is further provided a knee prosthesis in which the insert features a post or other raised portion whose anterior surface is shaped to serve effectively as an anterior cruciate ligament when engaged with a cam during ranges of flexion such as after heel ~~strike~~ strike upon actuation of the quadriceps.

Please replace paragraph [0022] with the following amended paragraph:

[0022] According to certain aspects and embodiments of the invention, there is further provided a knee prosthesis including a femoral component that includes a lateral condyle that is in some distal and posterior aspects smaller than corresponding dimensions of the medial condyle, in order to simulate more closely natural physiology, allow adequate insert thickness under the lateral condyle so that, for instance, the ~~posterolateral~~ posterolateral surface of the insert can feature convexity or slope, ~~[[to]]~~ assist internal rotation of the tibia relative to the femur as the knee flexes from substantially 0 degrees to substantially 130 degrees, or any combinations of these.